

Spill Prevention, Control, and Countermeasures Plan For Animal Feeding Operations

(Secondary containment required around tanks.)

This SPCC Plan addresses all on-farm tanks for fuel, oil, chemical, or other potential pollutants to "waters of the state". The cumulative storage capacity of fuels (not LP gas) or chemicals in containers of 55 gallons or more at the operation is 1,320 gallons or more.

Name of Facility _____

Location of Facility (Section, Township, Range or Latitude/Longitude)

Name, Address, and Phone Number of Owner and/or Operator

This plan provides for the containment of the following:

Tank No.	Total Capacity (gal.)	Material

The nearest surface "waters of the state" is _____ that is located approximately _____ feet to the _____ of the operation.

Tanks (will) or (will not) be covered with a roofed structure and (will) or (will not) have drip pans to collect minor leakage's from valves, hoses, and other connections. If covered, all posts will be outside the containment structure.

This plan has been completed by the Natural Resources Conservation Service and to the best of my knowledge, all information herein is true and correct and the SPCC plan has been prepared in accordance with good engineering practices.

_____ Resource Engineer

_____ Date

This SPCC plan is hereby adopted for the _____ animal feeding operation in _____ County, Alabama.

_____ Name (Owner/Operator)

_____ Date

MAIN GUIDELINES FOR SPILL PREVENTION, CONTROL, AND COUNTERMEASURES

1. Fuel storage shall be located at least 50 feet from any other building, as far as practicable but no less than 100 feet from any water body, stream, or other water conveyance structure, at least 150 feet from an up-gradient well, and at least 300 feet from a down-gradient well. The facility shall not be located within a 100-year flood plain or in a wetland area.
2. Measures should be in place to protect the storage tanks from possible vehicular damage.
3. A dike that exceeds the volume capacity of the largest tank in the bermed area by 10% will be constructed to enclose the area around the tank(s) according to the basin detail. The liner of the dikes will be constructed of :
 - () compacted clay _____ inches thick
 - () bentonite or soil dispersant treated and compacted soil _____ inches thick
 - () _____ synthetic liner _____ ml thick.
 - () sealed concrete or concrete blocks
 - () double wall tank in lieu of bermed area

The liners will cover the entire bottom of the basin and the berm side slope to the top of the berm. Earth liners will be covered with at least 3 inches of No. 57 crushed limestone stone or 6 in. of earthfill for protection. Synthetic liners will require at least 4 in. of sand bed underneath the liner. Tanks will be supported in such a manner as to not compromise the integrity of the liner.

A minimum 2 in. PVC Schedule 40 pipe will be installed through the dike with a manual gate valve to allow for rainwater discharge when needed. The pipe will have one 3' X 3' anti-seep collar installed at the mid-point of the dike. The valve on the pipe will remain closed at all times and is to be locked until the dike area collects enough rainwater to require drainage. The valve will be opened for removal of rainwater only after it has been inspected to determine if pollutants are present, and then immediately closed again and re-locked. If pollutants are present in the rainwater, the pollutants will be removed from the water prior to draining the water. Pollutants will be disposed of in accordance with existing state and federal regulations. In addition, a log will be maintained which indicates the date when the containment structure was de-watered, the person conducting the de-watering, and a brief description of the water (i.e., oily sheen, clear, slightly turbid, oily smell, etc.).

Other designs by a professional engineer must be ADEM approved/accepted.

4. Materials for oil and grease absorption and the equipment needed for cleanup of accidental spills will be readily available.
5. If a spill or leakage/drips should occur that contaminates the soil, the contaminated soil will be excavated and treated or disposed of in accordance with existing state and federal regulations (see ADEM Field Operations Division, Contaminated Soil Management Guidelines). If the contaminant is diesel fuel only, the amount of liquid spilled is less than 25 gallons, and the amount of material to be disposed of is less than 5 cubic yards per occurrence, then the contaminated material will not be tested and will be disposed of in the local landfill after being approved by the ADEM Land Division. Larger quantities or other materials such as gasoline, oils, or other chemicals will be tested and receive ADEM approval before being disposed of. Methods of on-site treatment of contaminated soil will be approved by ADEM.
6. A written record shall be maintained by the owner/operator of any spill that occurs, and the actions taken to properly dispose of all spilled material and the clean-up procedures.
7. All unloading of transport vehicles to fill the tanks will meet minimum requirements and regulations established by the Alabama Department of Transportation. The tanks will be attended by responsible employees while filling to prevent overflow, and to note visible leaks from seams, gaskets, valves, etc.
8. All tanks, hoses, valves, etc., will be visually inspected on a regular basis (at least weekly) for leaks and repaired or replaced as needed.

9. All inspection records will be filed with annual notice of registrations and will be maintained for a period of at least three years.
10. All personnel who are associated with the unloading, use of stored materials, maintenance of the facility or responsible for stormwater drainage and spill clean-up will be made familiar with this plan and a copy of the plan will be posted and made readily available to all personnel at the operation.
11. Potential Sources of Spills:
 - A. Tank or Tank Valve Rupture:

Prevention: Tanks, valves, and fittings will be properly maintained and kept in good condition. A visual inspection of all tanks, valves, and fittings will be conducted periodically for leaks.
 - B. Tank Overfill:

Prevention: Truck drivers should follow correct operating procedures when unloading and stay with the equipment at all times during unloading operations. Responsible personnel will be present when fuel and/or other chemicals are delivered to assure that the delivery personnel follow proper procedures. Any spillage will be immediately cleaned up or mitigated in accordance with this plan.
 - C. Hose Rupture During Unloading and Spillage from Hoses after Disconnection:

Prevention: Periodic inspections will be conducted on all hoses and replacement hoses will be kept at the operation. Responsible personnel will use the proper hose drainage procedure.
 - D. Vandalism:

Prevention: Provide security measures to minimize the occurrence and perform regular inspections.
12. Notification:

In the event of a spill that could reach "waters of the state", immediately call:

The National Response Center
1-800-424-8802

The Alabama Emergency Management Agency
1-800-843-0699

Report the following information:

 1. Name, address and telephone number of person reporting the spill.
 2. Exact location of the operation and the spill.
 3. Facility name, and location.
 4. Material spilled.
 5. Estimated quantity.
 6. Source of the spill.
 7. Cause of the spill.
 8. Nearest down-stream body of water to receive the spill.
 9. Actions taken for containment and clean up.

The QCP for the operation should be contacted in the event of a spill during the next business day.
13. The storage facility will be kept secured by means of locks to prevent vandalism or theft whenever responsible personnel are not present.
14. All key personnel will be fully trained in all aspects of this plan, the proper use of personal protective gear, and all reporting and record keeping procedures.

Secondary Containment
for

_____ gal. _____ tank

_____ gal. _____ tank

_____ gal. _____ tank

_____ Animal Feeding Operation

_____ County, Alabama

